Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007136.D
Acq On : 13 Aug 2019 17:43
Operator : HP/JU
Sample : K4173-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-016-SW113-073119

Quant Time: Aug 14 03:51:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9949	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	38830	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	22549	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	50551	0.40	ng		0.00
26) Chrysene-d12	21.05	240	48767	0.40	ng		-0.01
32) Perylene-d12	23.16	264	56954	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6116	0.26	ng		0.00
4) Phenol-d6	6.62	99	8165	0.28	ng		0.00
7) Nitrobenzene-d5	8.56	82	6616	0.21	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	14719	0.20	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2414	0.20	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3742	0.11	ng		0.00
24) Fluoranthene-d10	18.87	212	35341	0.20	ng		0.00
28) Terphenyl-d14	19.49	244	26187	0.20	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	18913	0.174	ng		98
11) 2-Methylnaphthalene	11.87	142	18125	0.235	ng		96
15) Acenaphthylene	13.79	152	133147	1.130	ng		99
16) Acenaphthene	14.13	154	25424	0.337	ng		97
17) Fluorene	15.13	166	56390	0.499	ng		89
22) Phenanthrene	16.87	178	1103704	7.285	ng		100
23) Anthracene	16.95	178	198535	1.434	ng		98
25) Fluoranthene	18.90	202	1322611	6.825	ng		99
27) Pyrene	19.26	202	1775865	10.384	ng		96
29) Benzo(a)anthracene	21.02	228	778165	4.363	ng		94
30) Chrysene	21.08	228	908945	5.246	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	402512	2.108	ng		99
33) Benzo(b)fluoranthene	22.54	252	799495	4.094	ng		99
34) Benzo(k)fluoranthene	22.58	252	280176m	1.453	ng		
35) Benzo(a)pyrene	23.07	252	649834	3.670	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	121429	0.687	ng	#	86
37) Benzo(g,h,i)perylene	25.87	276	460422	2.534	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
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PST-016-SW113-073119

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
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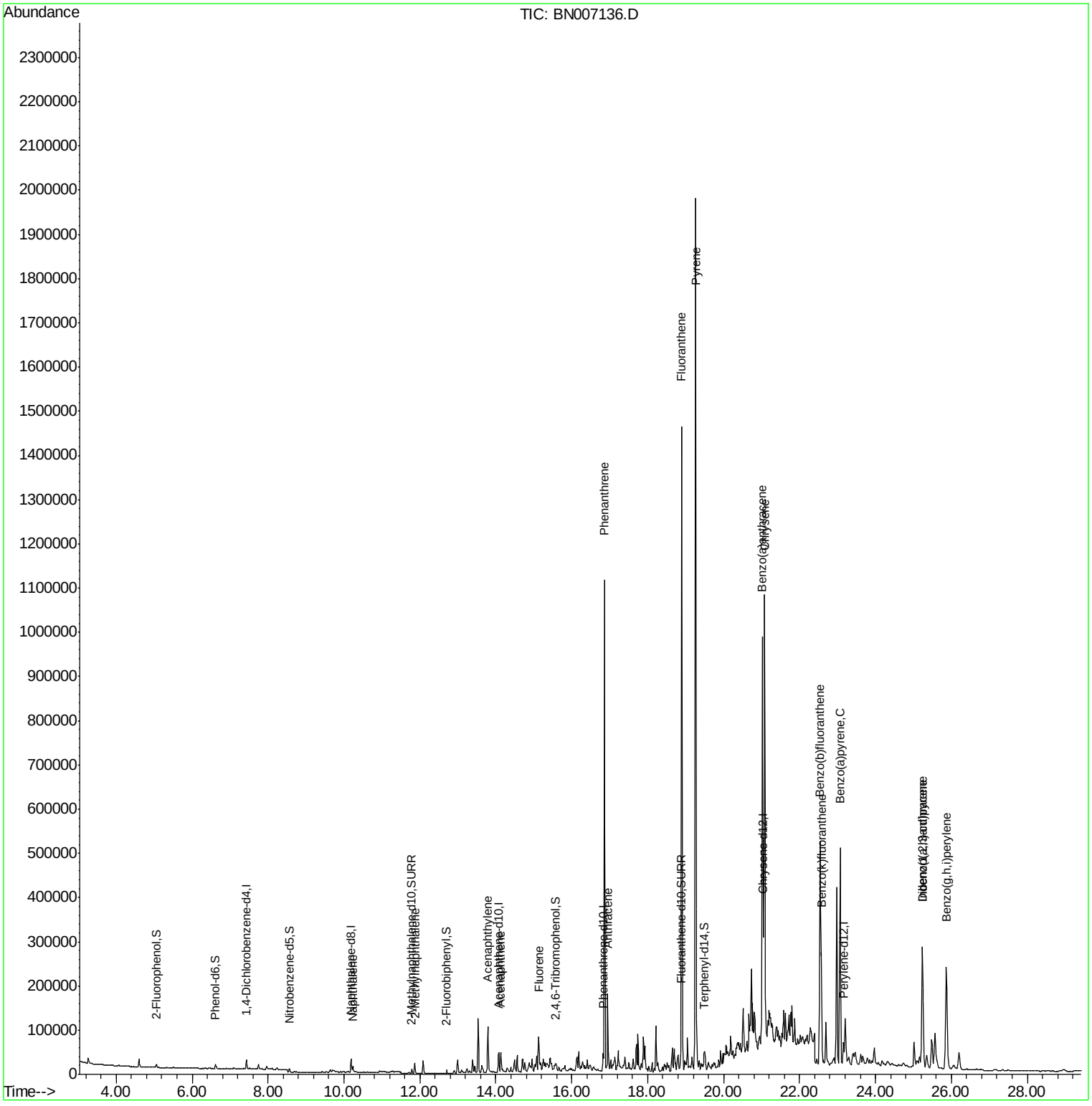
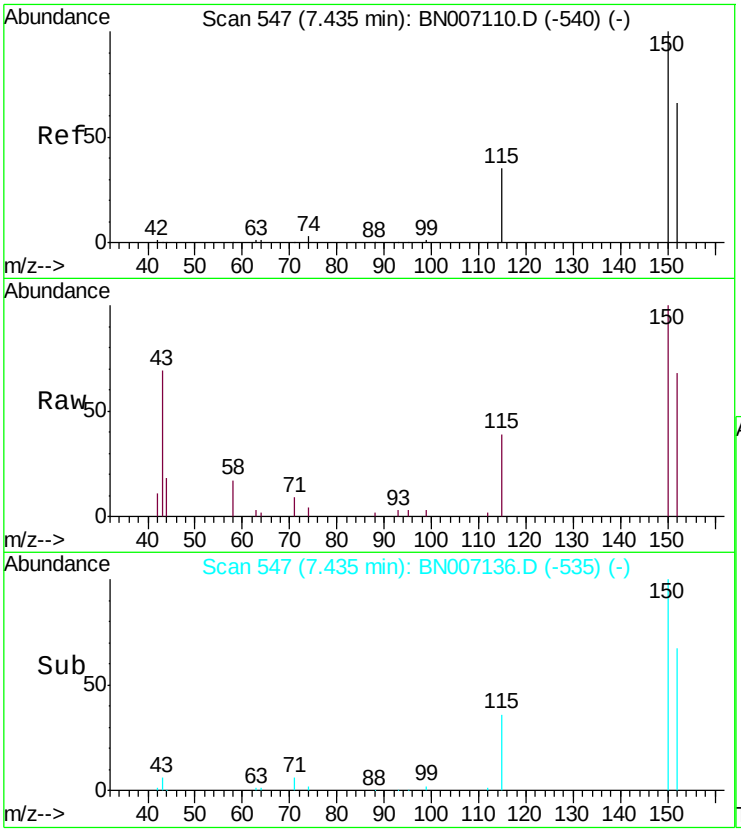


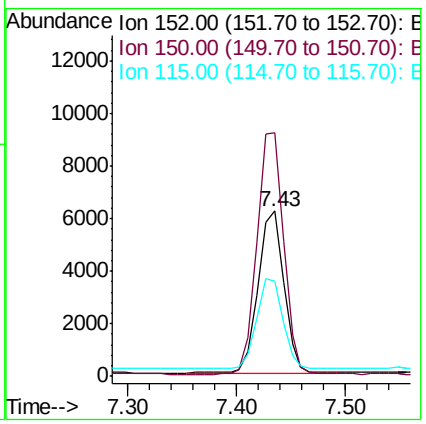


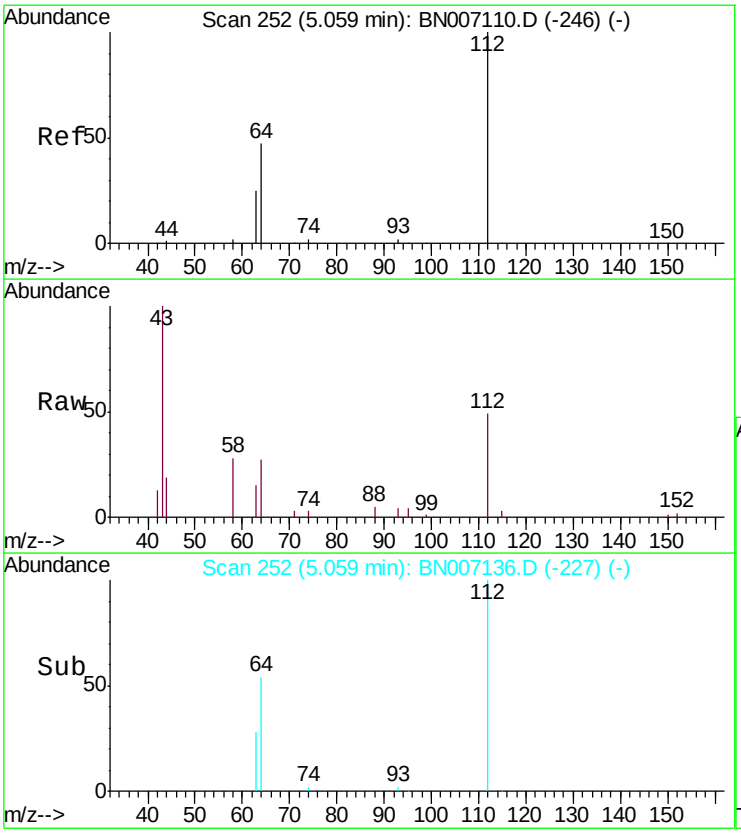
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:152 Resp: 9949

Ion	Ratio	Lower	Upper
152	100		
150	147.6	121.7	182.5
115	57.8	46.2	69.4

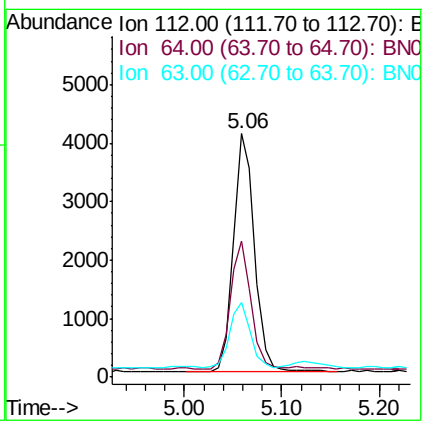


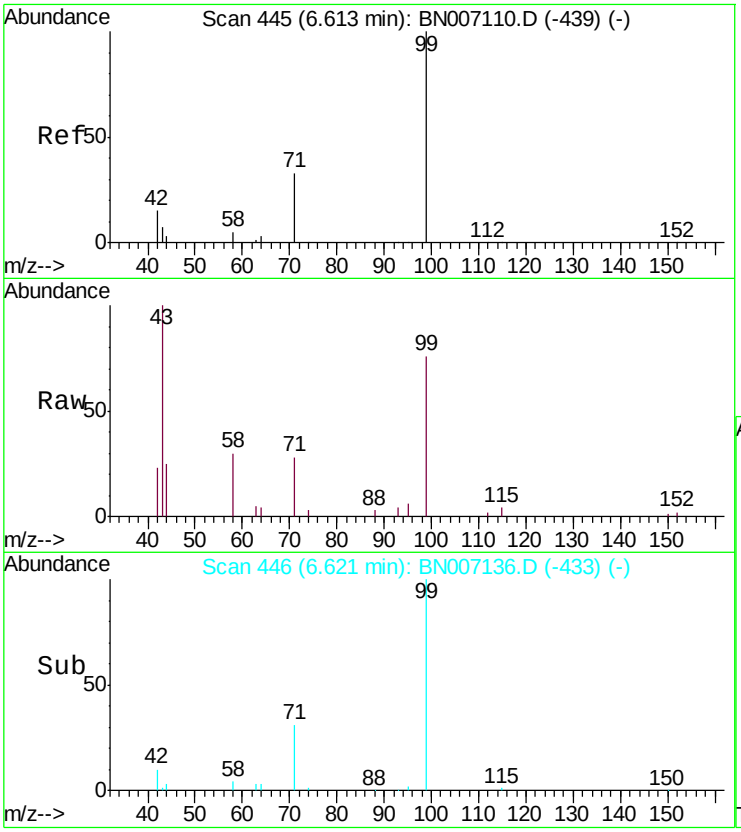


#3
2-Fluorophenol
Concen: 0.256 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:112 Resp: 6116

Ion	Ratio	Lower	Upper
112	100		
64	51.8	42.6	63.8
63	26.7	22.2	33.2



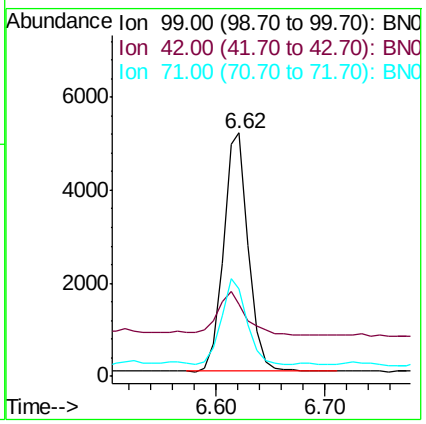


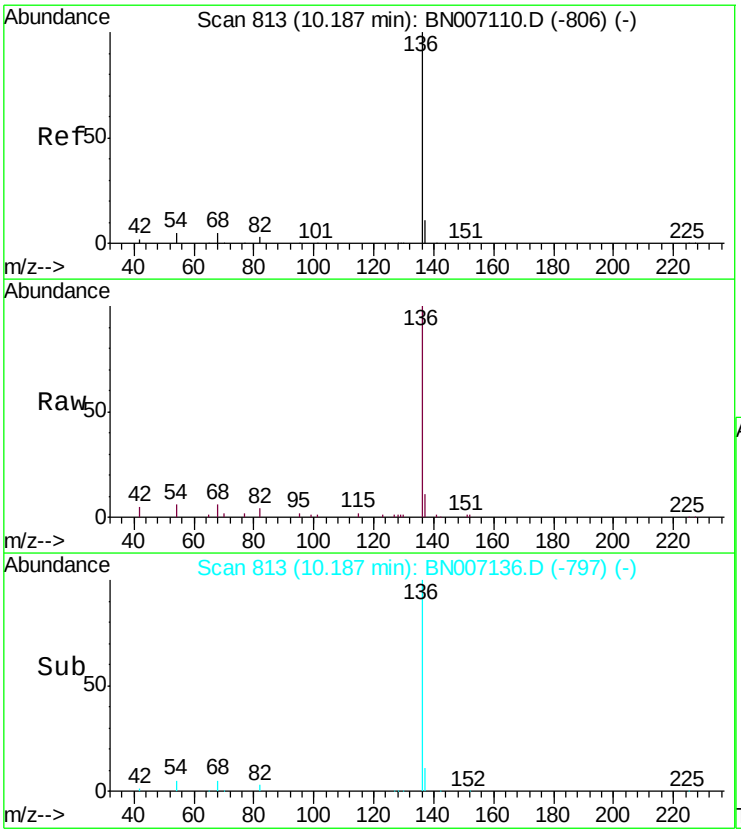
#4
Phenol-d6
Concen: 0.276 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion: 99 Resp: 8165

Ion	Ratio	Lower	Upper
99	100		
42	21.3	15.8	23.6
71	36.9	27.0	40.4

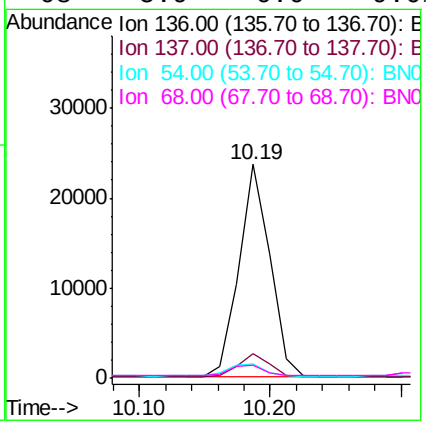


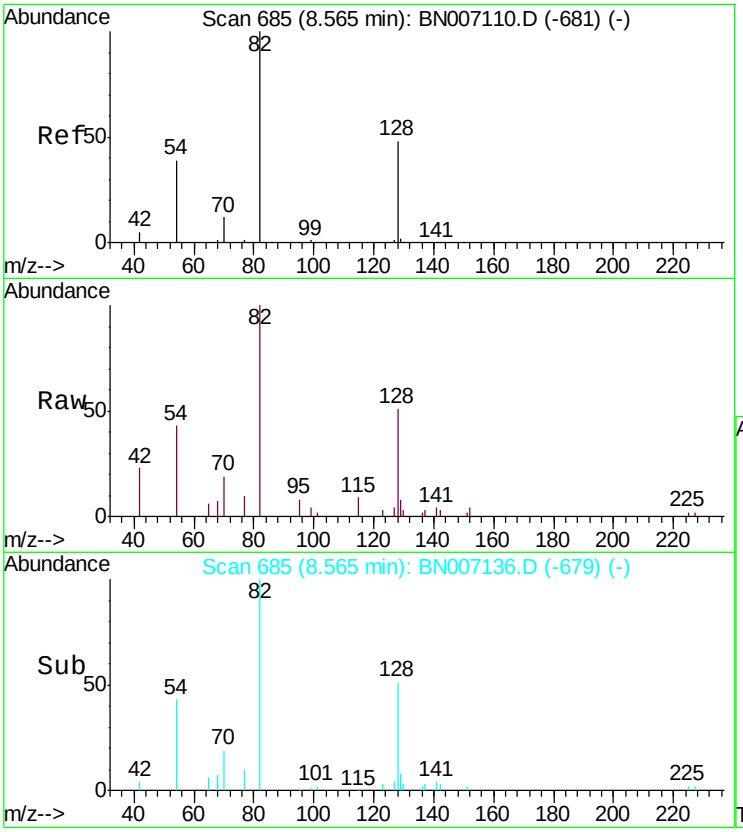


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:136 Resp: 38830

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.4	14.0
54	6.3	6.6	9.8#
68	5.9	6.0	9.0#



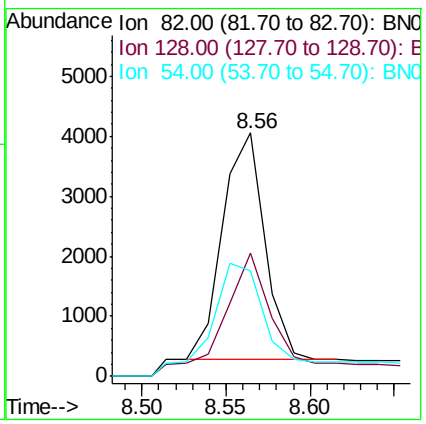


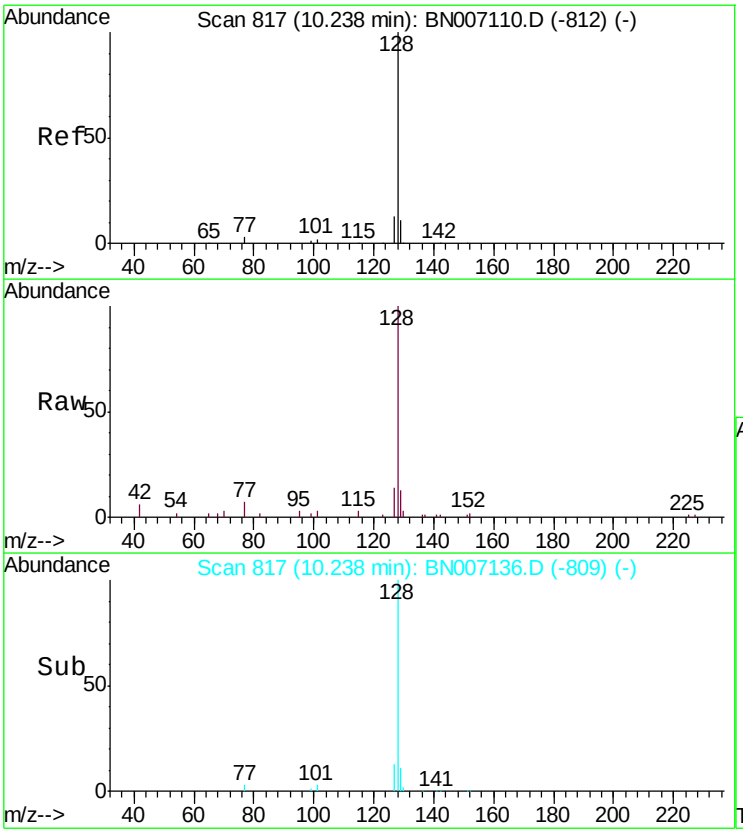
#7
Nitrobenzene-d5
Concen: 0.211 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion: 82 Resp: 6616

Ion	Ratio	Lower	Upper
82	100		
128	50.5	34.6	51.8
54	43.1	36.2	54.4

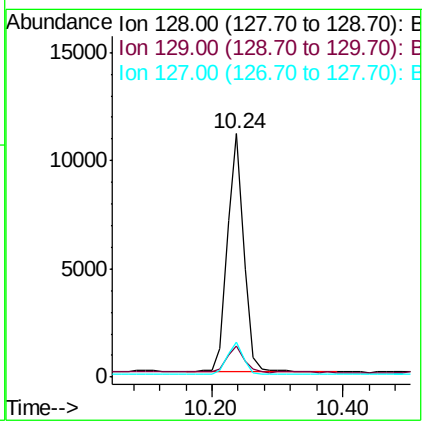


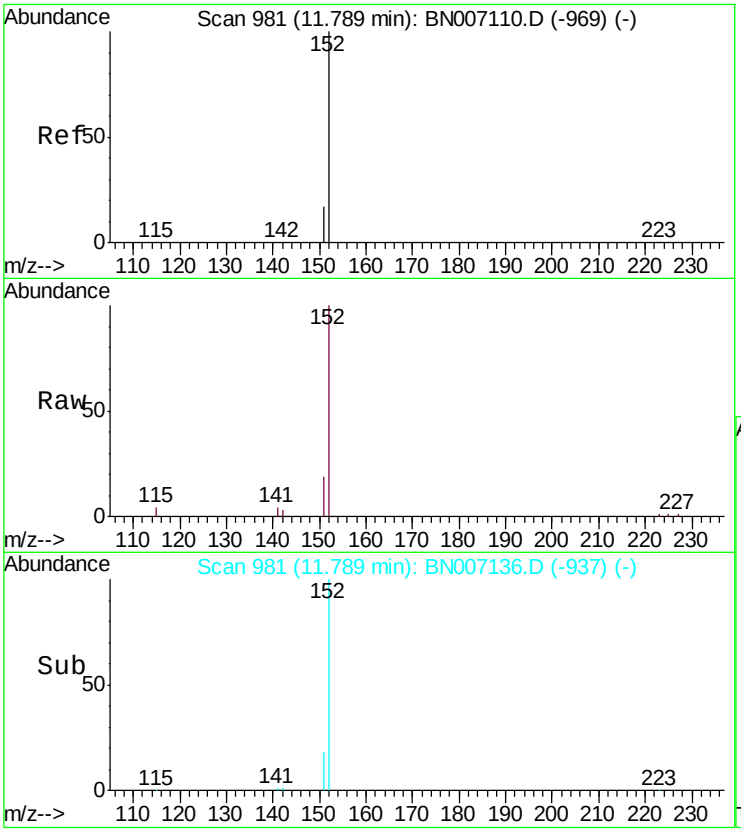


#8
Naphthalene
Concen: 0.174 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:128 Resp: 18913

Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.4	14.2
127	14.3	11.0	16.6



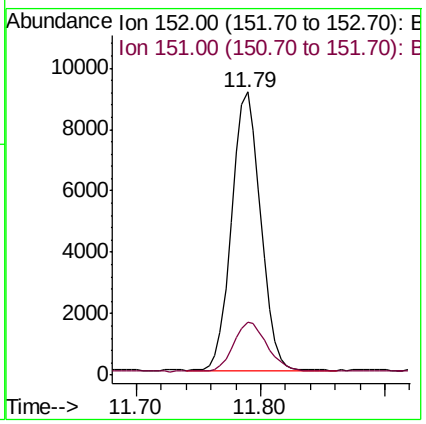


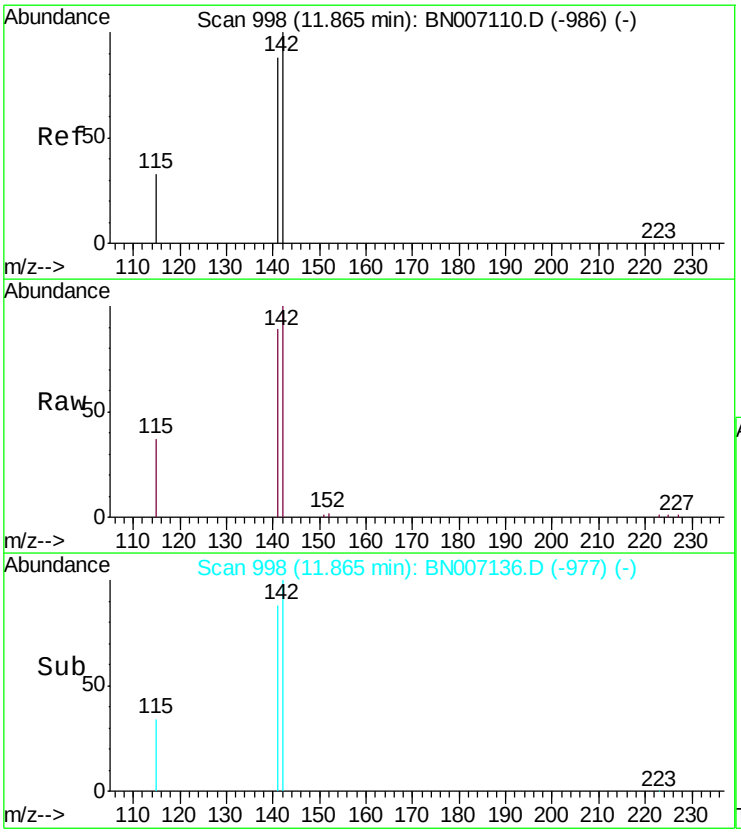
#10
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:152 Resp: 14719

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.5	23.3

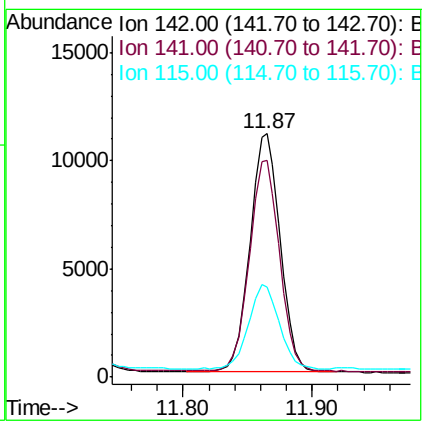


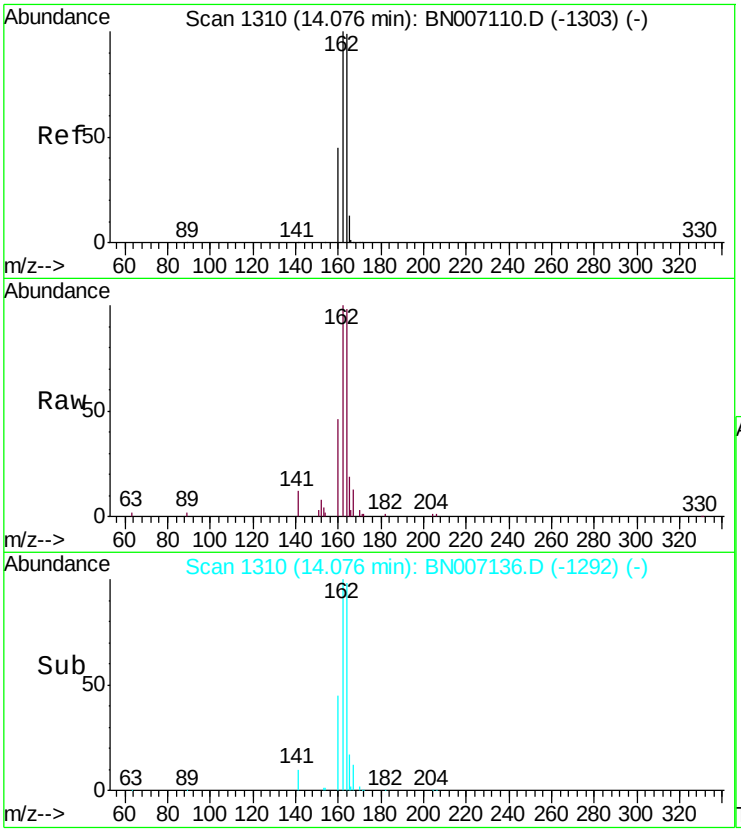


#11
2-Methylnaphthalene
Concen: 0.235 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:142 Resp: 18125

Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.0	103.6
115	37.1	27.1	40.7



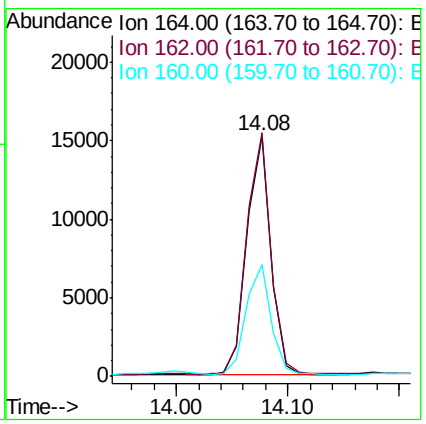


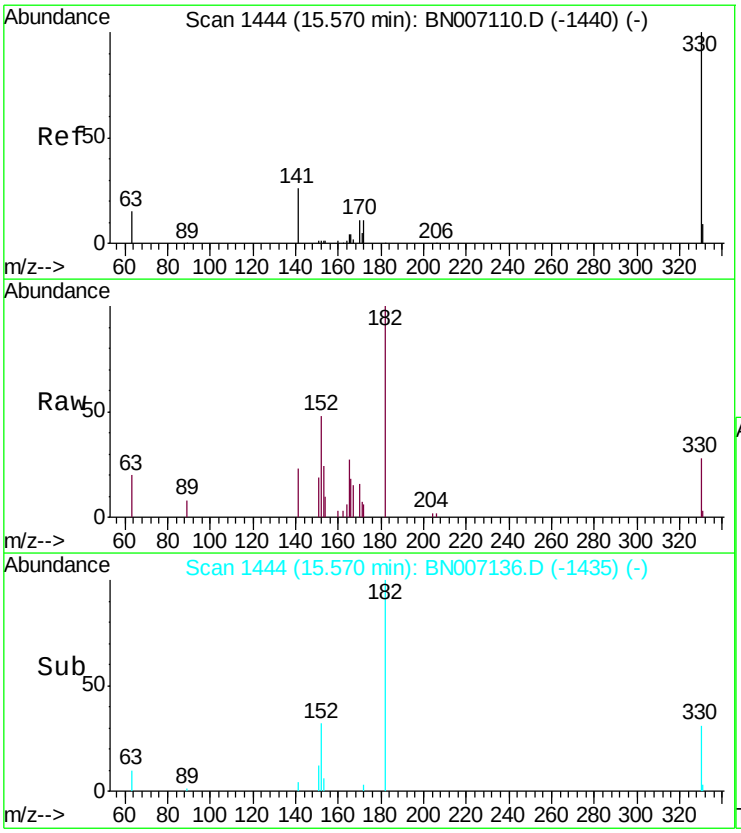
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:164 Resp: 22549

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.4
160	46.9	38.3	57.5

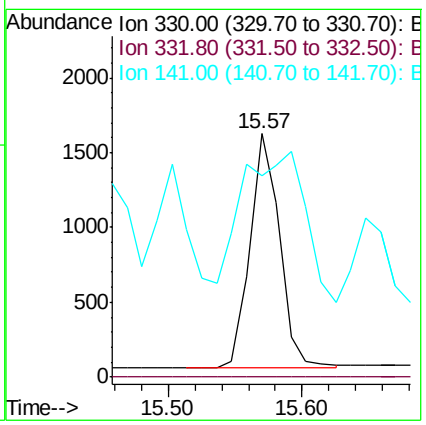


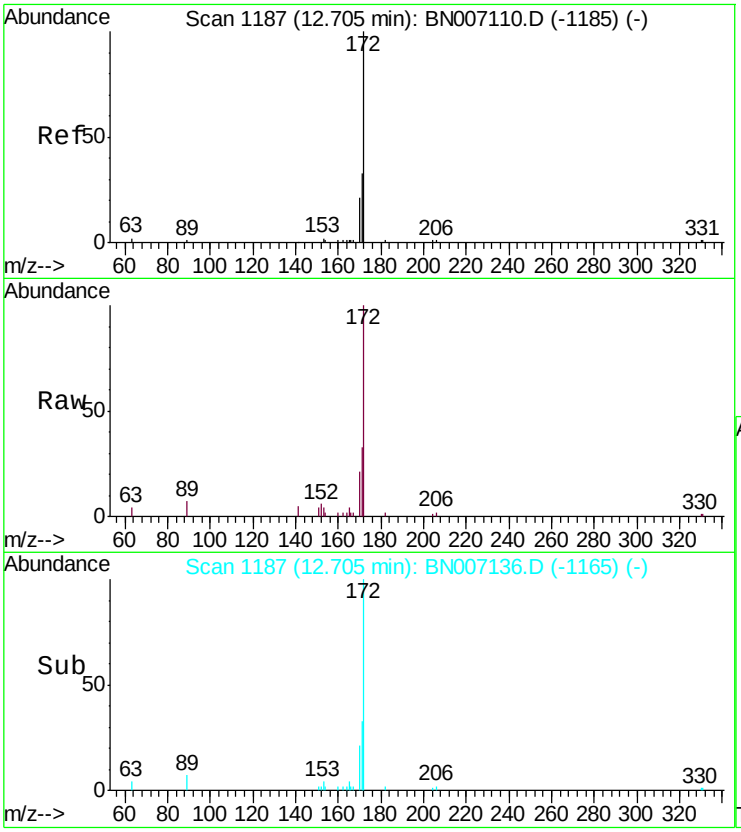


#13
2,4,6-Tribromophenol
Concen: 0.199 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:330 Resp: 2414

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	0.0	33.6	50.4#



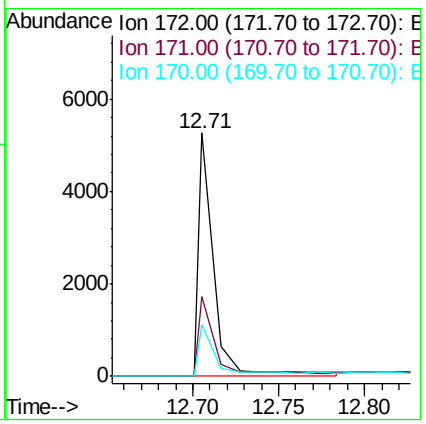


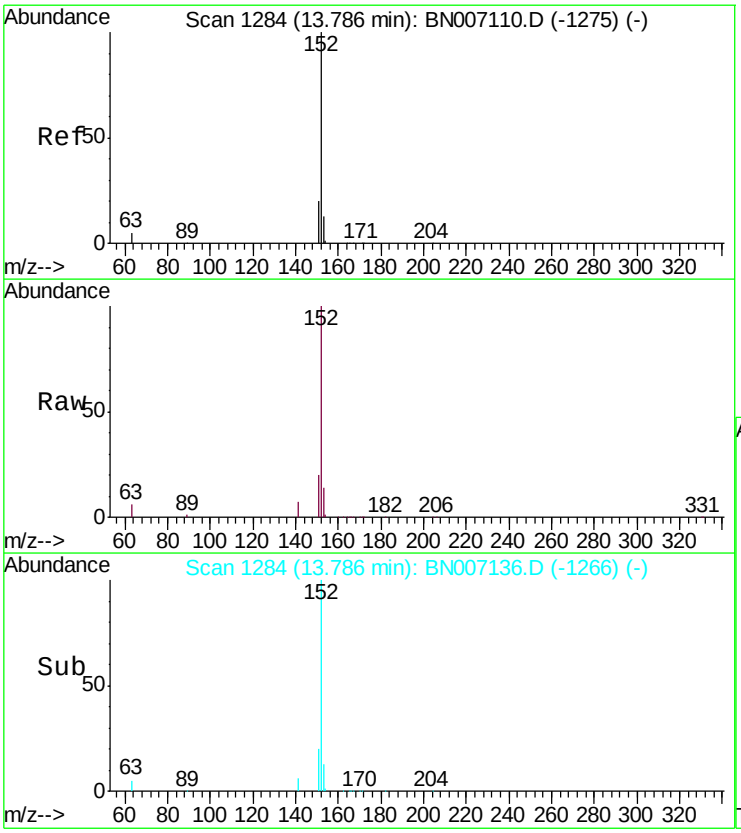
#14
2-Fluorobiphenyl
Concen: 0.114 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:172 Resp: 3742

Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.3	39.5
170	21.0	17.0	25.4

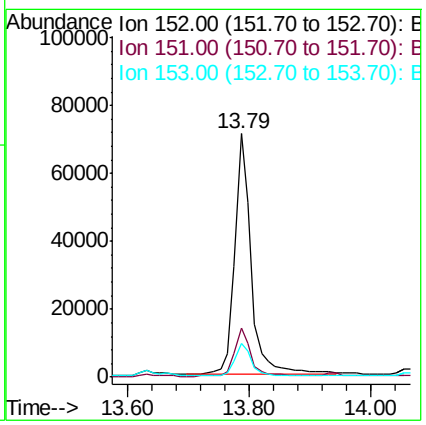


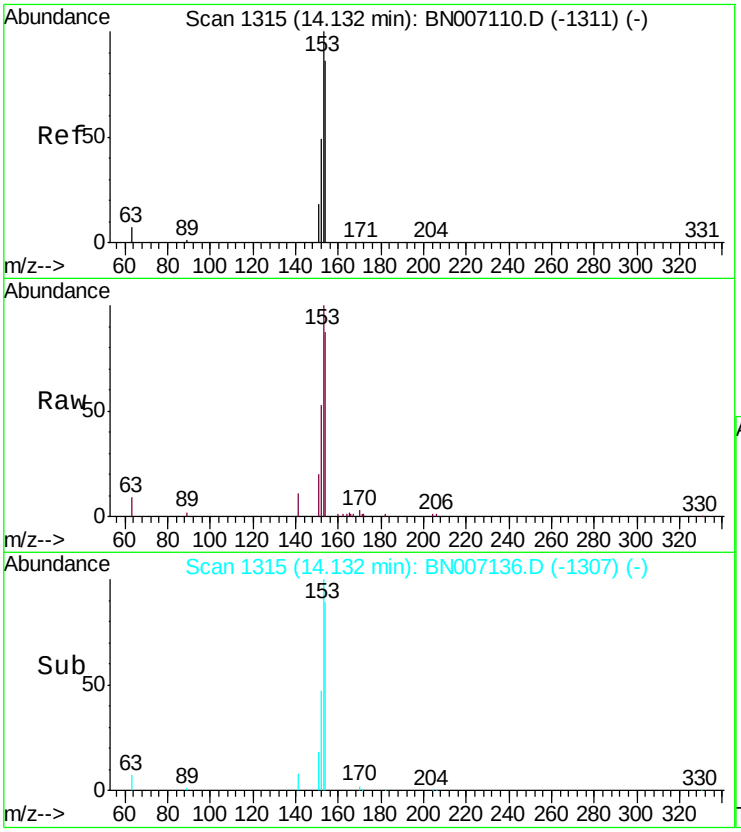


#15
Acenaphthylene
Concen: 1.130 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:152 Resp: 133147

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.7	10.4	15.6



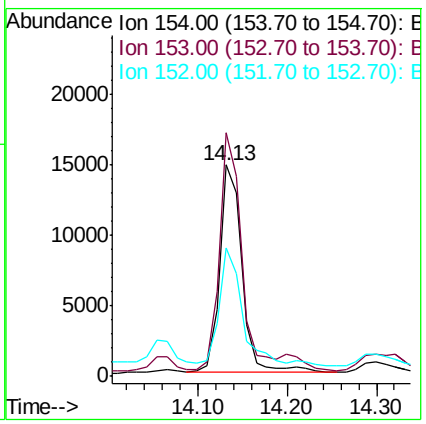


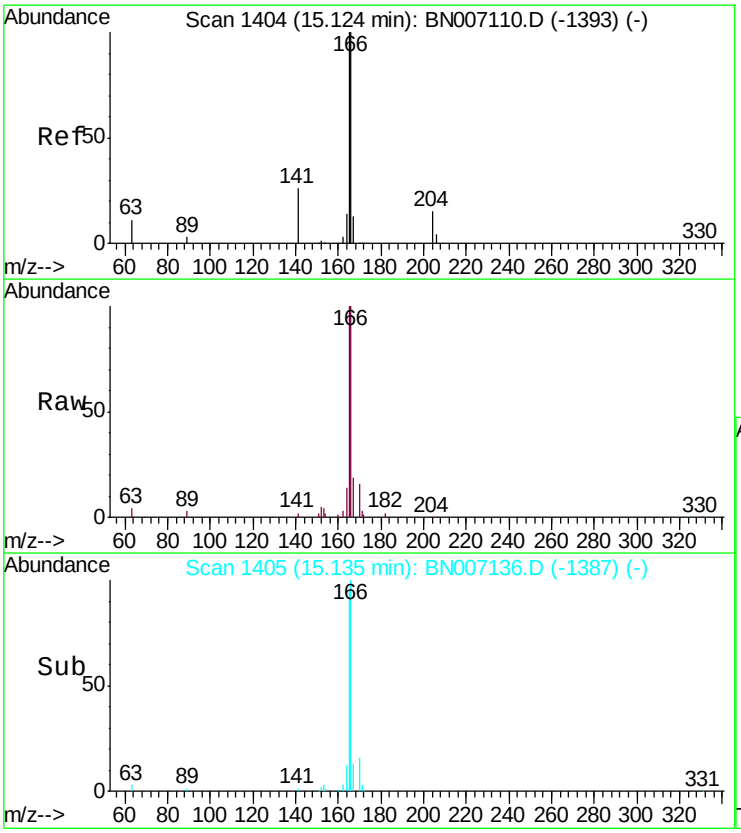
#16
Acenaphthene
Concen: 0.337 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:154 Resp: 25424

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.5	134.3
152	62.1	44.8	67.2

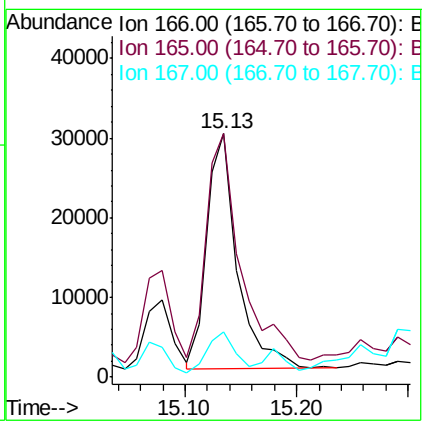


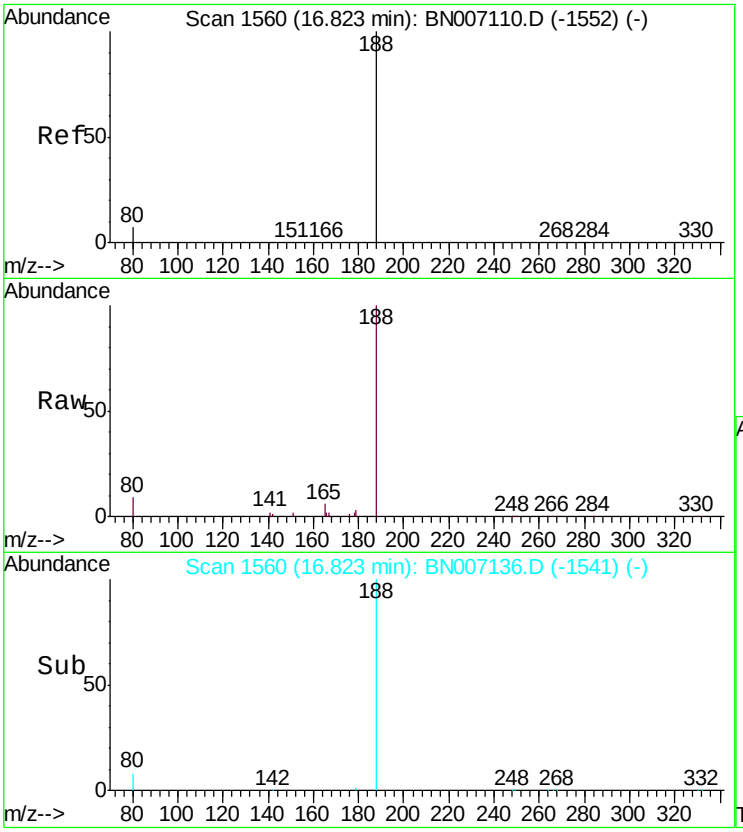


#17
Fluorene
Concen: 0.499 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:166 Resp: 56390

Ion	Ratio	Lower	Upper
166	100		
165	109.0	77.9	116.9
167	15.5	10.9	16.3



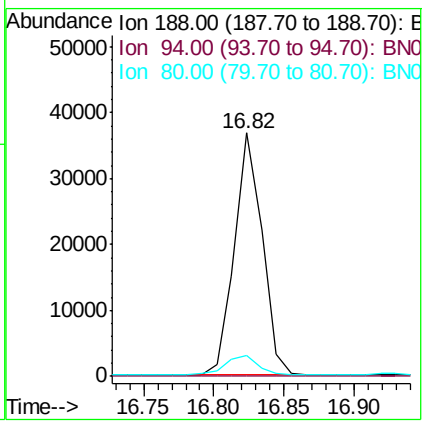


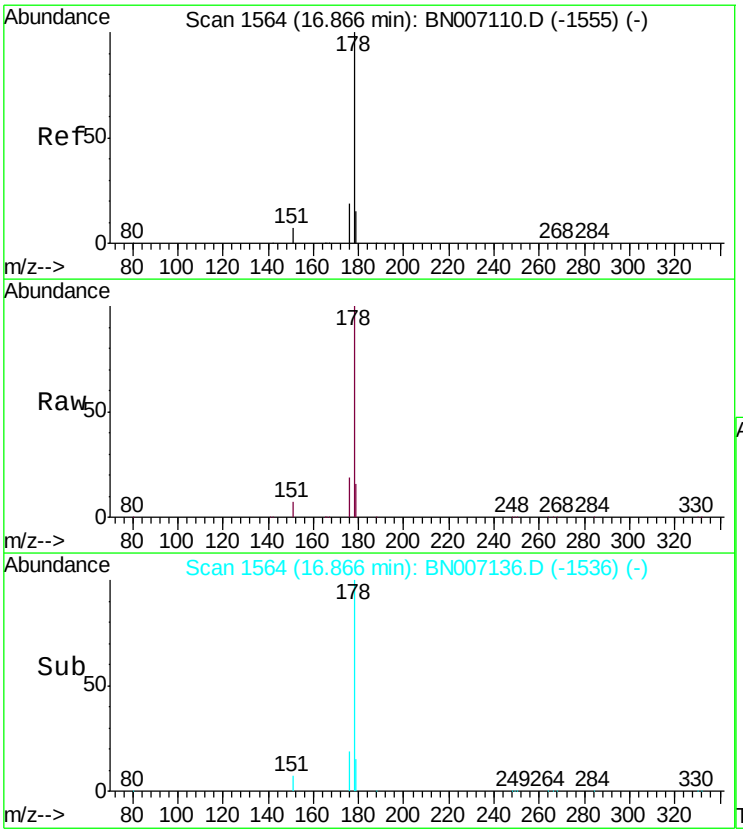
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:188 Resp: 50551

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.8	11.6

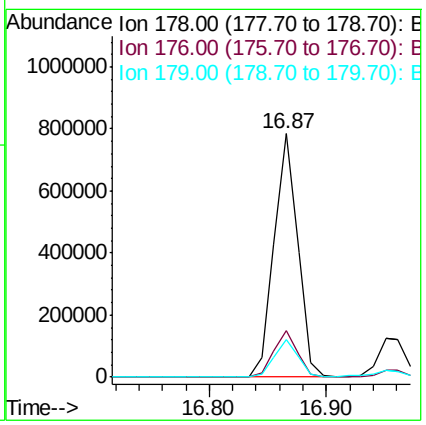


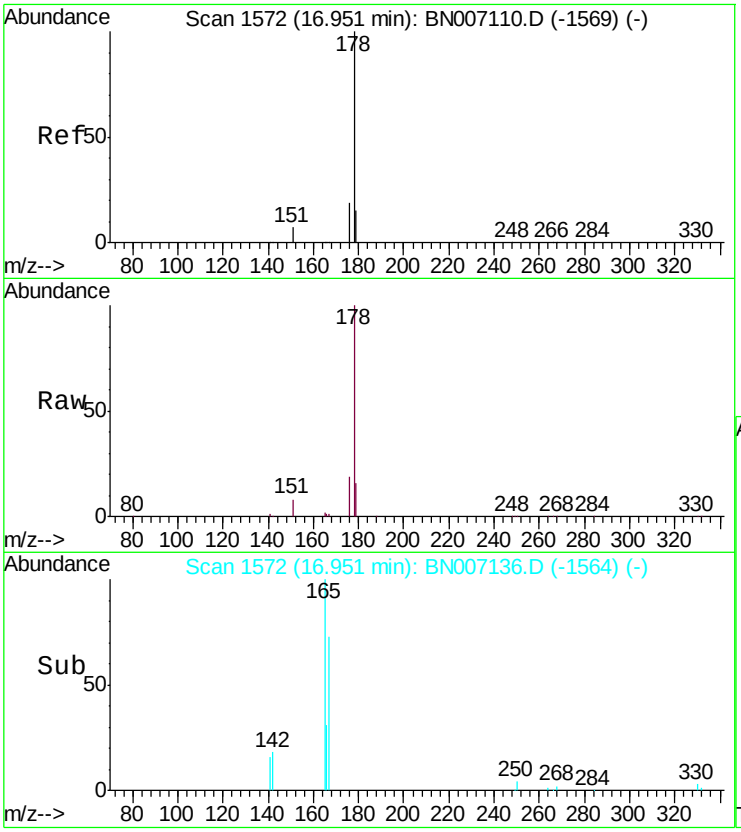


#22
Phenanthrene
Concen: 7.285 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:178 Resp: 1103704

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.7	12.3	18.5



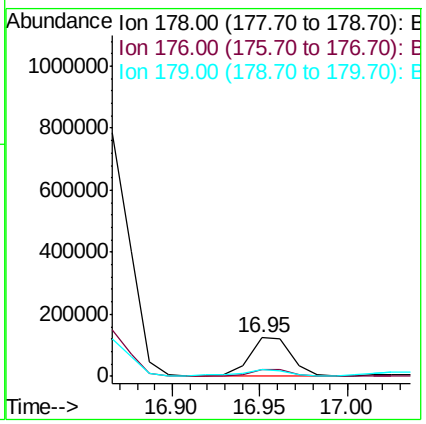


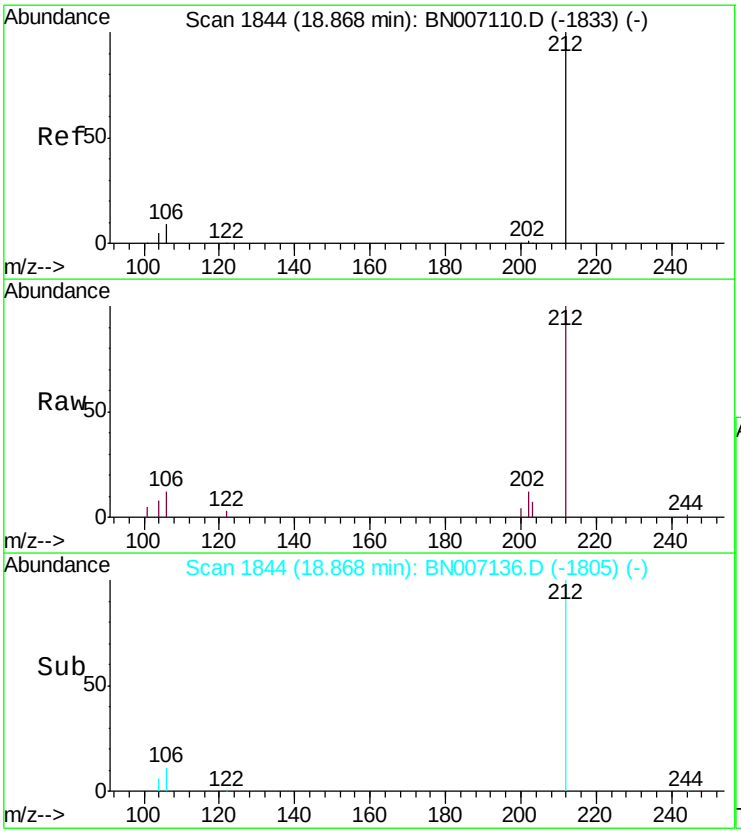
#23
Anthracene
Concen: 1.434 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:178 Resp: 198535

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	17.6	12.5	18.7

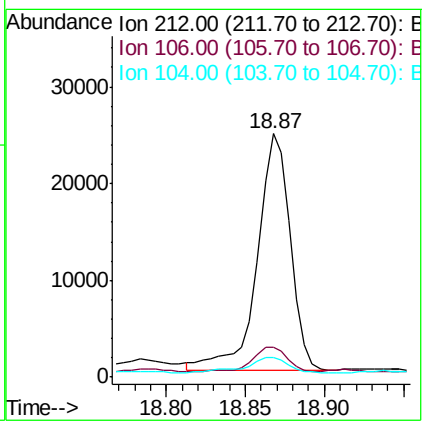


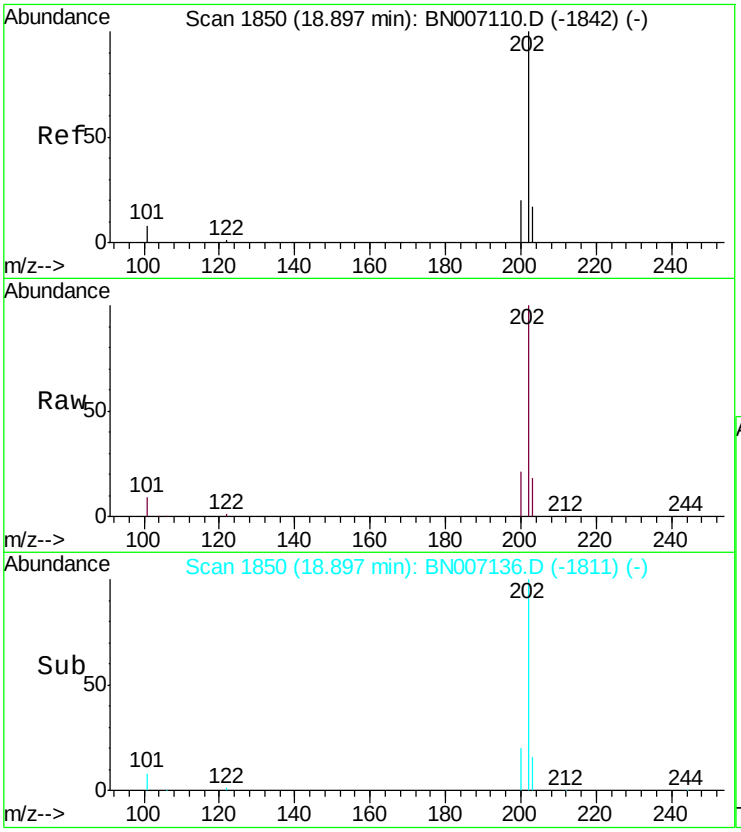


#24
Fluoranthene-d10
Concen: 0.197 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:212 Resp: 35341

Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	7.9	4.5	6.7#



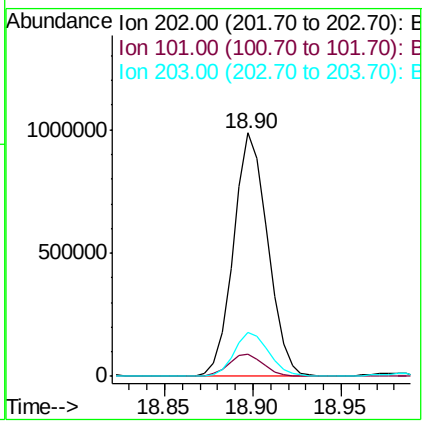


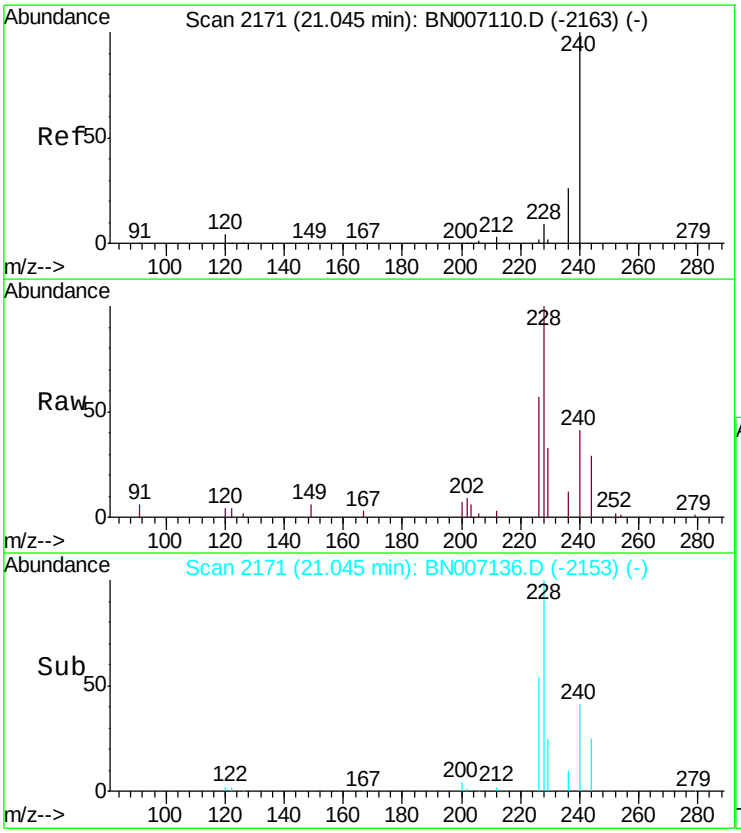
#25
Fluoranthene
Concen: 6.825 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:202 Resp: 1322611

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	18.0	13.8	20.8

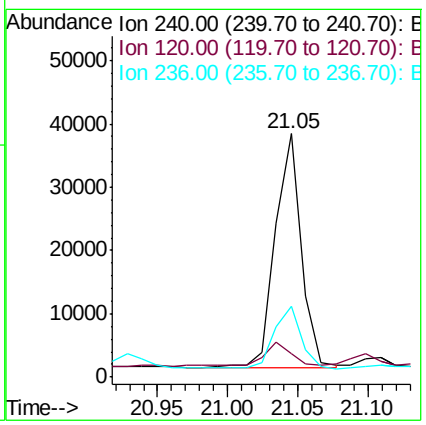


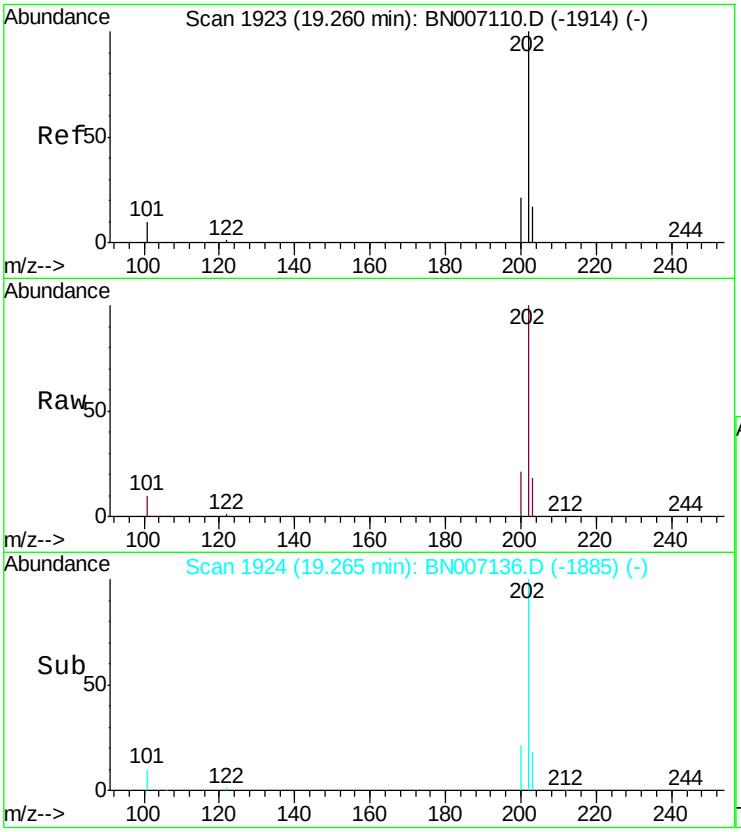


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:240 Resp: 48767

Ion	Ratio	Lower	Upper
240	100		
120	9.7	4.0	6.0#
236	29.1	21.3	31.9



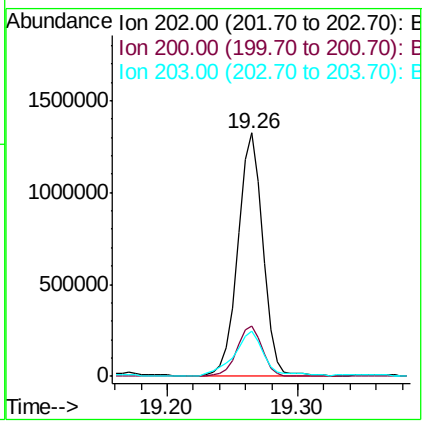


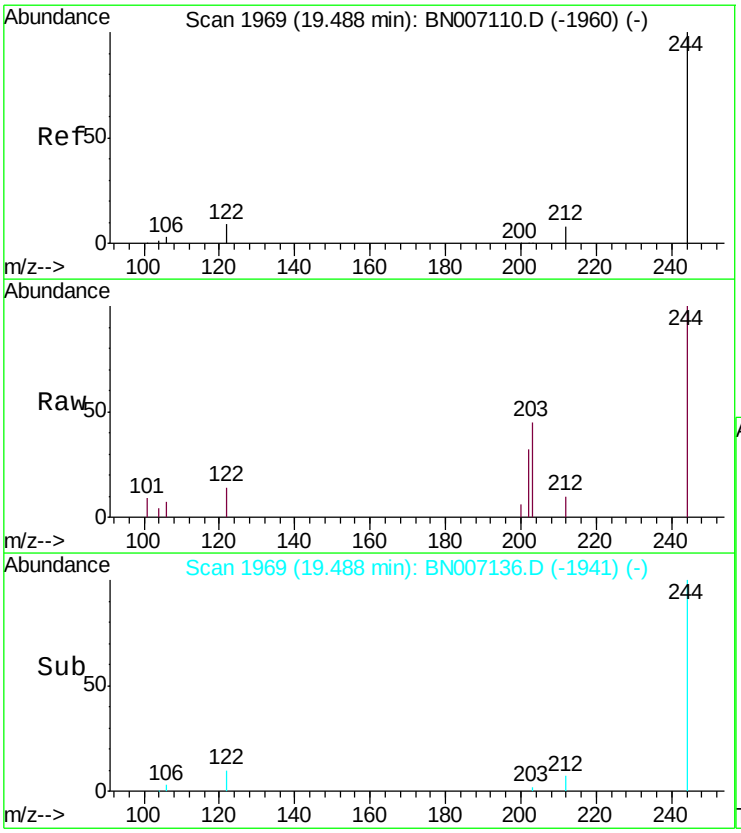
#27
Pyrene
Concen: 10.384 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:202 Resp: 1775865

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.7	14.0	21.0

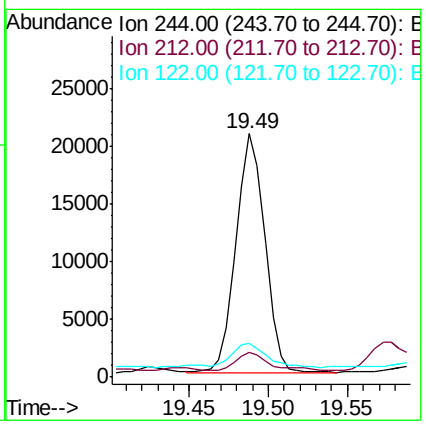


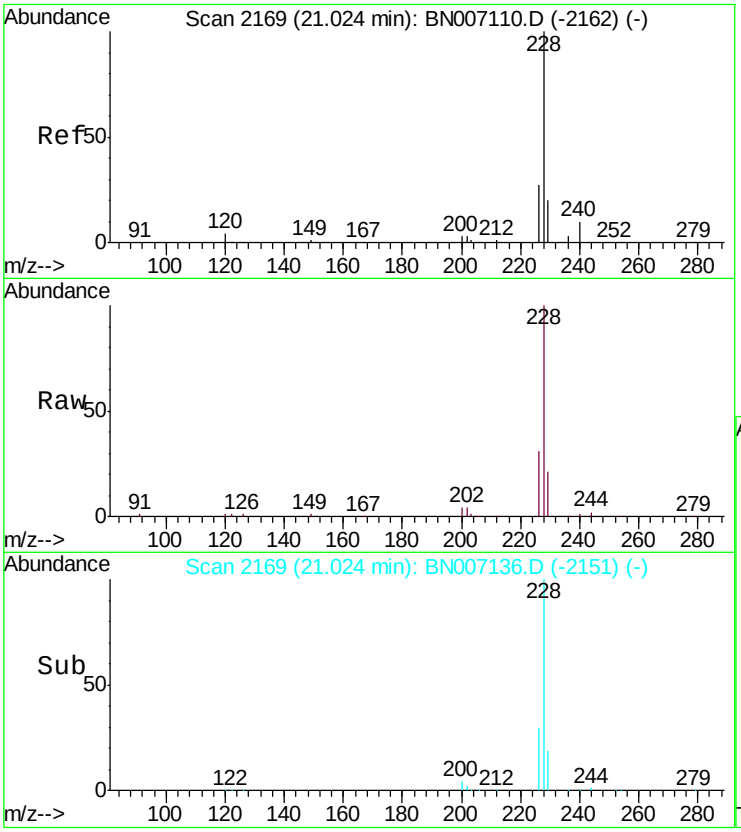


#28
Terphenyl-d14
Concen: 0.197 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:244 Resp: 26187

Ion	Ratio	Lower	Upper
244	100		
212	10.3	6.2	9.2#
122	14.0	7.4	11.2#



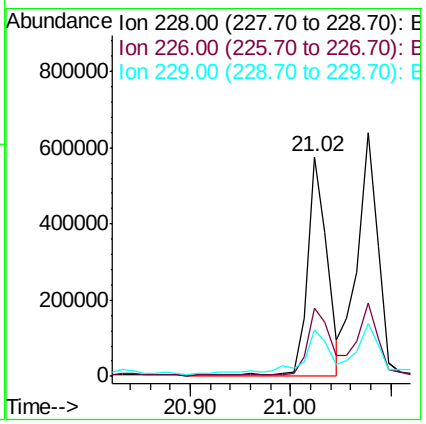


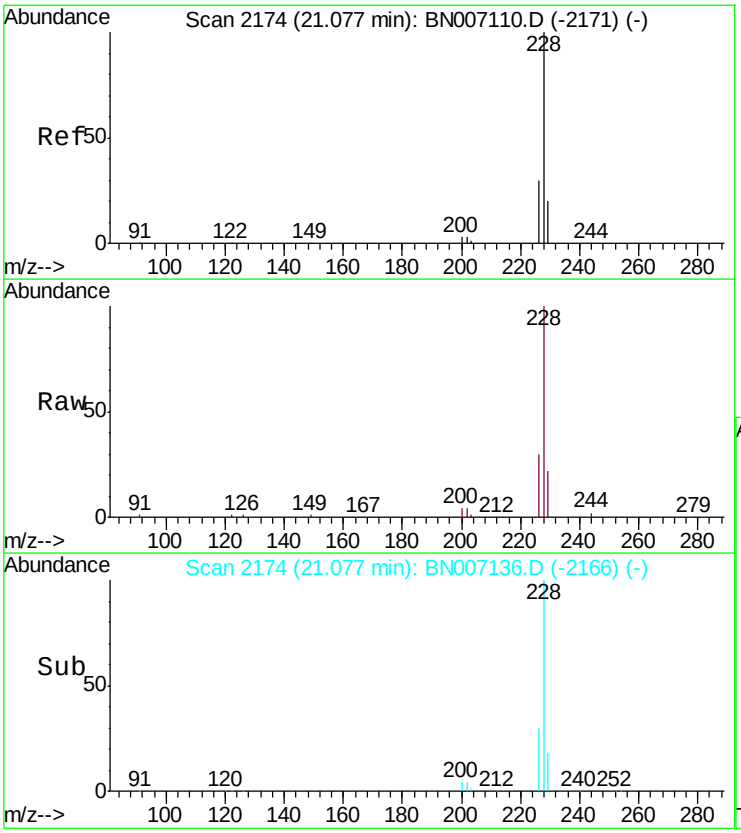
#29
Benzo(a)anthracene
Concen: 4.363 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:228 Resp: 778165

Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.8	32.6
229	21.3	15.6	23.4

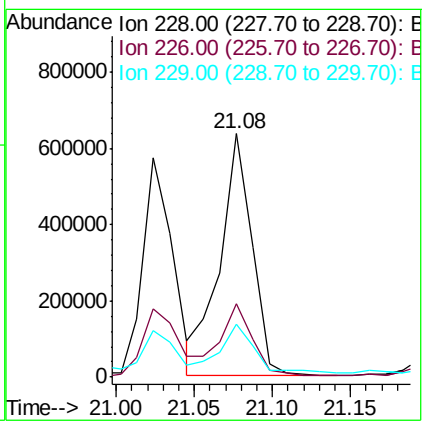


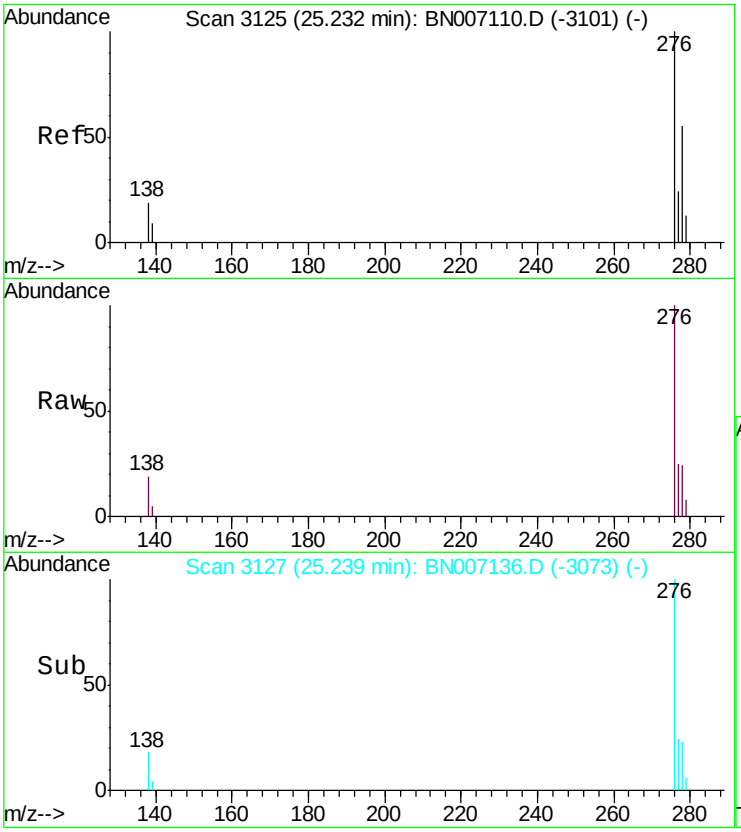


#30
Chrysene
Concen: 5.246 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:228 Resp: 908945

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	21.8	15.7	23.5



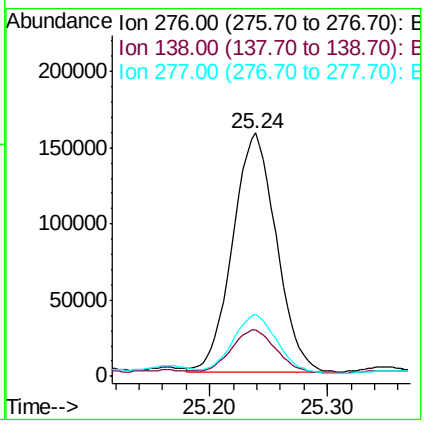


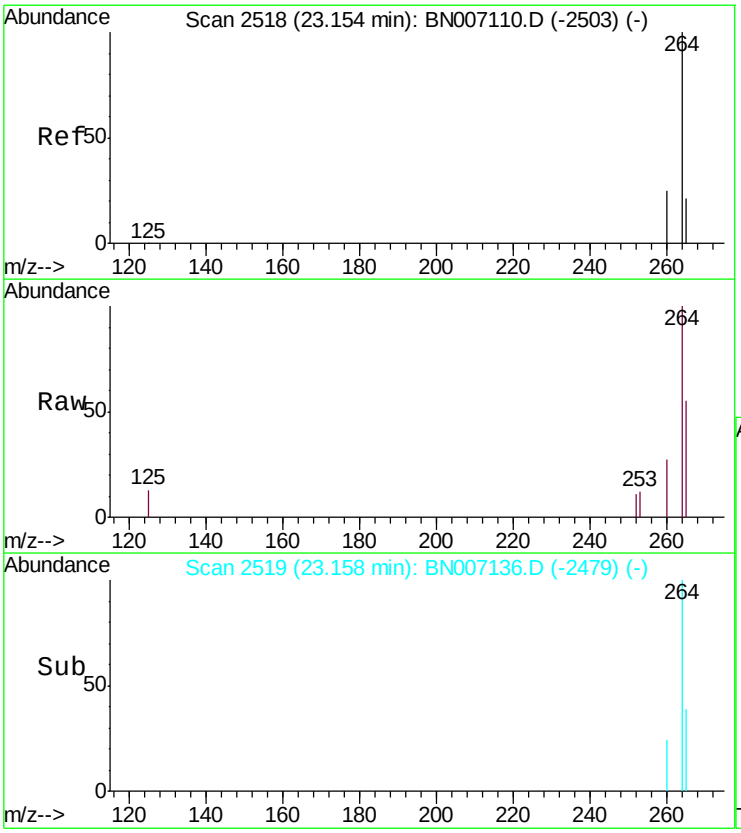
#31
Indeno(1,2,3-cd)pyrene
Concen: 2.108 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:276 Resp: 402512

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	24.9	19.9	29.9

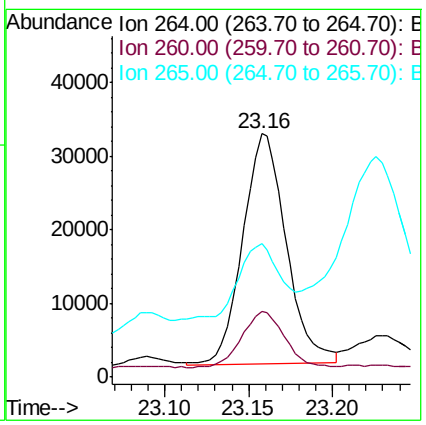


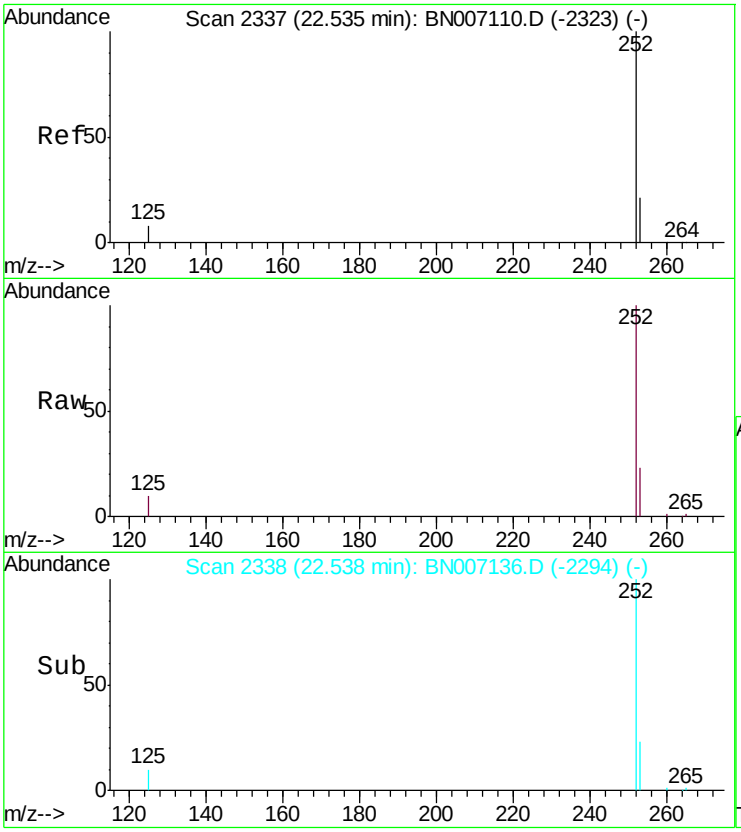


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:264 Resp: 56954

Ion	Ratio	Lower	Upper
264	100		
260	27.1	19.8	29.8
265	54.8	26.2	39.4#



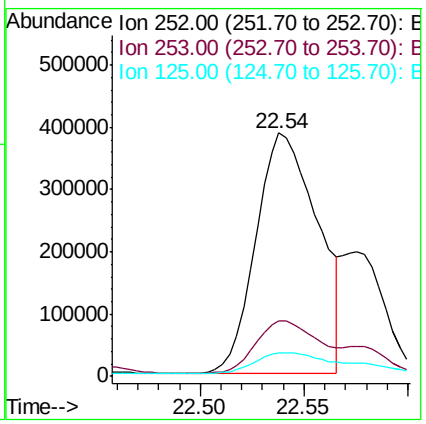


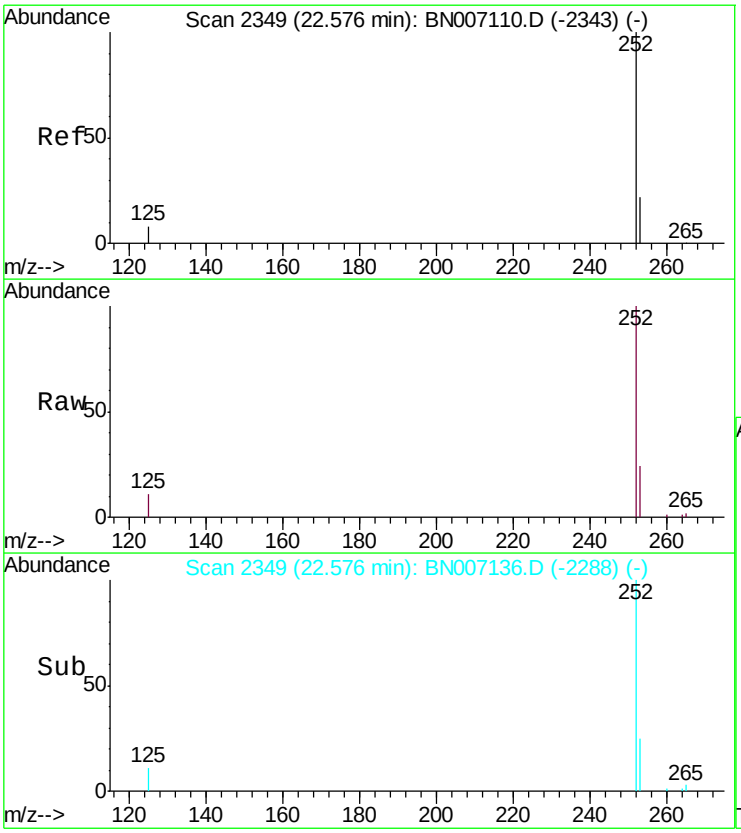
#33
Benzo(b)fluoranthene
Concen: 4.094 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:252 Resp: 799495

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.7	7.4	11.0

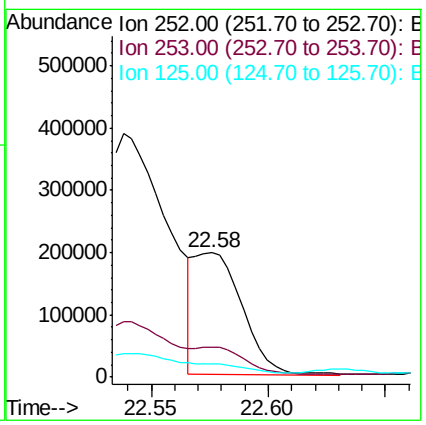


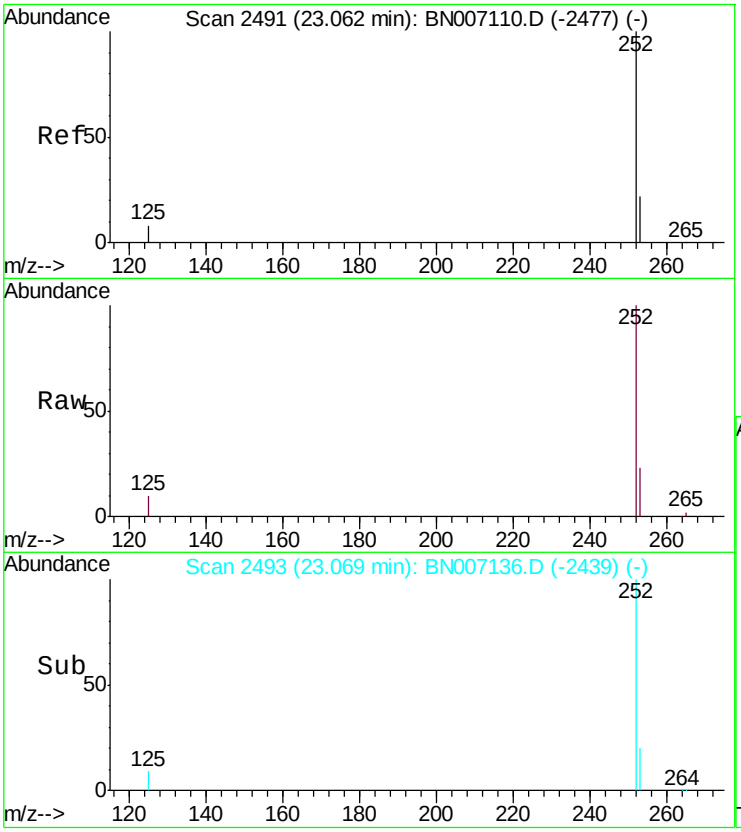


#34
Benzo(k)fluoranthene
Concen: 1.453 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:252 Resp: 280176

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.1	27.1
125	10.5	7.4	11.0



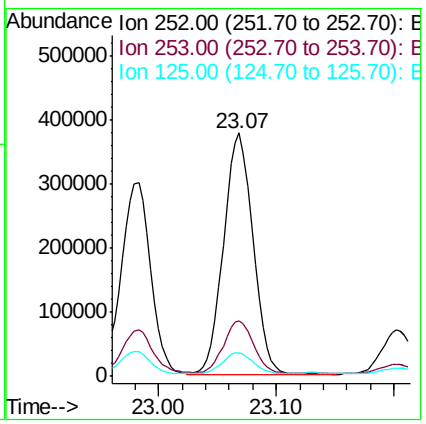


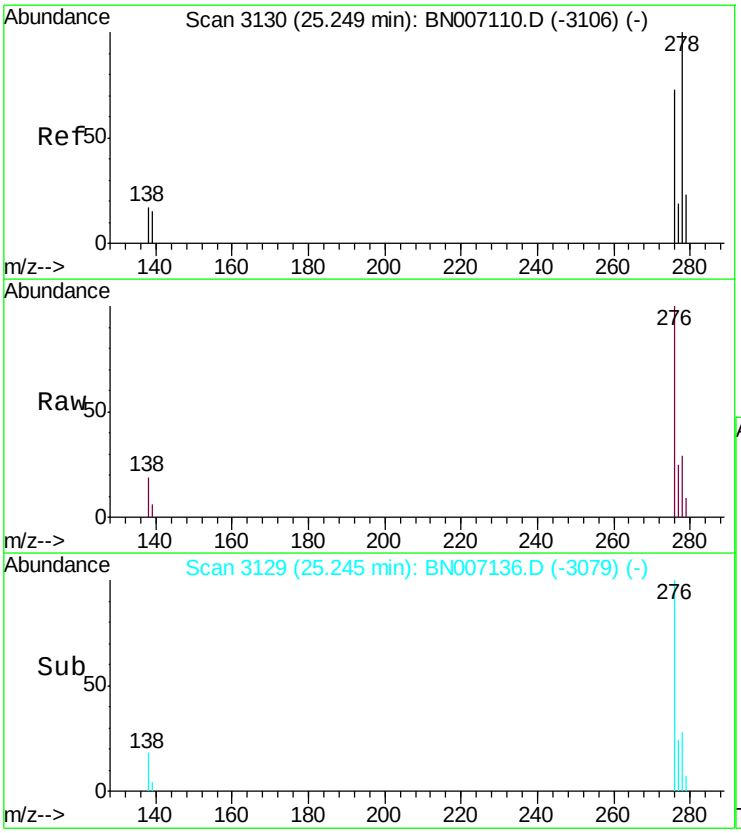
#35
Benzo(a)pyrene
Concen: 3.670 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:252 Resp: 649834

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	9.9	8.2	12.4

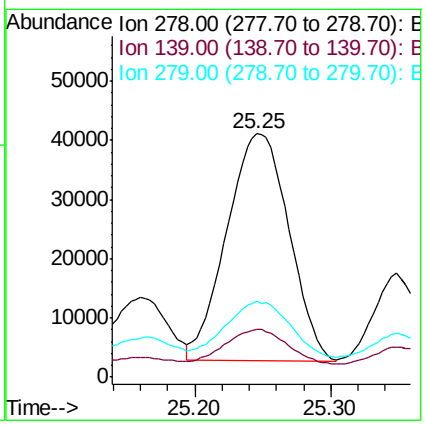


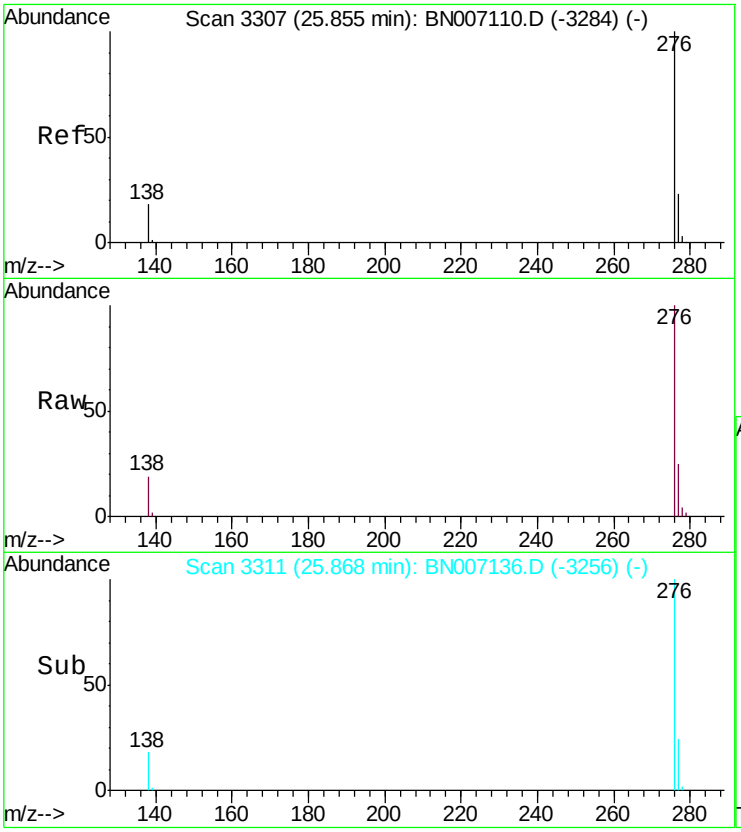


#36
Dibenzo(a,h)anthracene
Concen: 0.687 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Tgt Ion:278 Resp: 121429

Ion	Ratio	Lower	Upper
278	100		
139	19.4	11.3	16.9#
279	31.0	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 2.534 ng
RT: 25.87 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BN007136.D
Acq: 13 Aug 2019 17:43

Instrument :
BNA_N
ClientSampleId :
PST-016-SW113-073119

Tgt Ion:276 Resp: 460422

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	19.0	14.6	22.0